TRIALS TIME
SHAPING FUTURE

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MACHINE LEARNING TRAINING + INTERNSHIP PROGRAM

COURSE DETAILS:

1. Duration : 1 month Training+ Hands-on + Internship
2. Timings: 7:30 PM to 8:30 PM
3. Fee : INR 699 ONLY
4. BENEFITS : Course completion certificate + Internship Certificate
5. START DATE: 27TH DEC,2022

REGISTER AT: https://forms.gle/hCN8VYcgu7ExW3cS8

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SCHEDULE DESIGNED FOR THE COURSE:

The main objectives of the course is to prepare the students to become industry/job - ready by doing industry real time projects and learning in the real time environment by the industry professionals

Course outcomes: To understand a wide variety of learning algorithms. Understand how to evaluate models generated from data. Apply the algorithms to a real problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models.

Day 0:
1) Introduction to python required for Machine Learning.
2) Introduction to Data Science.
3) NumPy and it's functionalities.

Day 1:
1) Dealing with Datasets (Creating , Importing).
2) Handling Datasets using NumPy.
3) Introduction to Pandas.
4) Handling Datasets using Pandas (DataFrames , Series).

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Day 2: (LAB)
1) Solving problems of Real-Time examples.
2) SetUp of GitHub and LinkedIn.
3) Exploring GitHub.

Day 3:
1) Introduction to Matplotlib.
2) Exploring different types of graphs and its uses.
3) Handling graphs.

Day 4:
1) Introduction to Machine Learning and its types.
2) Cross Validation.
3) Confusion Matrix (Sensitivity and Specificity).
4) Introduction to Entropy.

Day 5:
1) Linear Regression.
2) ROC and AUC.
3) Logistic Regression.

Day 6: (LAB)
1) Applying Linear Regression using sklearn.
2) Applying Logistic Regression using sklearn.
Includes Data Collection , Data Analysis , Data Training , Data Fitting , Data Prediction.

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Day 7: (LAB)
1) Exploring Packages in Python.
2) tkinter.
3) Pillow (Image Processing).
4) Creating a GUI application.

Day 8,9,10: (Project-1)
Character Recognition using sklearn.
1) Creating a GUI application which will detect the character written by a human.

Day 11: (LAB)
1) Analysing the Data.
2) Cleaning and Transformation of Dataset.
3) Converting raw dataset into useful or knowledgeable data.

Day 12,13: (Project-2)
1) Bitcoin or money Prediction by daily basis of Stock Market.

Day 14,15:
Exploring other machine learning algorithms
1) Ridge and Lasso.
2) Ada Boost.
3) SVM (Support Vector Machine).
4) Decision Tree.
Comparing all Algorithms.

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Day 16,17:
1) Random Forest.
2) Gradient Boost.
3) XA Boost.
4) KNN (k-nearest neighbours).
5) Clustering (Unsupervised).

Day 18,19: (Project-3)
1) Cricket Match Winner Prediction using past data and comparing with all algorithms.

Day 20: (Conclusion)
REVISE ALL CONCEPTS.